

FOLIO

University of Alberta

27 February 1986



Making Friends with the Ferocious Ferret

These ferrets were bred and raised in a commercial laboratory in the U.S., and are wild and extremely difficult to handle when they first arrive at the SMR Animal Centre. But, as David Secord demonstrates, after a month of gentle handling at the Centre they become positively friendly. Dr. Secord, Director of the Centre, who was recently elected Fellow of the Academy of Experimental Surgery, says that ferrets are the smallest commonly available carnivores suitable for Rex Holland's studies of the nerve supply to the teeth.

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- GSA sets up employment forum
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- Department of Music ranging far afield



University of Alberta

Take a TIP From External Affairs

The Technology Inflow Program (TIP) is a relatively new initiative of the federal government, specifically the Department of External Affairs.

The government will use its embassies and consulates to help Canadian firms acquire foreign technologies which can be used to create jobs in Canada and to improve the firms' competitiveness in the international marketplace.

Canada currently produces only about 2 percent of her technology.

As the Hon. James Kelleher, Minister for International Trade, sees it, "the flow of foreign technology into Canada, its speedy

adoption, adaptation and enhancement and diffusion throughout the country are crucial for Canadian economic growth."

Background material on TIP was recently distributed at our University by John Holub, Director of the Technology Transfer Program. He told *Folio* that individuals on campus who know of a foreign technology which they feel that the University should access should stop by his office and "we'll see what's possible." Holub's role, however, would stop at the actual writing of proposals.

Although TIP is in the public

Executive Director of Fund Development Appointed

Halliday (Hal) Spelliscy has been appointed Executive Director of the Office of Fund Development. Mr. Spelliscy will take up the attendant duties on 1 April.

A native of Regina, Mr. Spelliscy is currently living in Calgary. He took early retirement from the Hudson's Bay Company on 31 January 1986.

His career with the Bay extends back to 1950 when he became an executive trainee in Saskatoon; several years later, he was named a department manager for stores in Winnipeg and later in Calgary. He proceeded up the corporate ladder, holding managerial positions in Vancouver, Toronto, Edmonton and Calgary. Mr. Spelliscy has lived in Alberta for 23 of his 36 years with the Bay. He was General Manager of the Bay stores in both northern and southern Alberta before being named General Manager for the Bay's provincial operations.

Mr. Spelliscy has had extensive and diverse involvement in community affairs and associated fund-raising in cities from Toronto to Vancouver.

During his years in Edmonton, Mr. Spelliscy was active in the community: he was founder of the Fort Edmonton Voyageurs, Jasper Avenue Business group and Edmonton Friars, and chairman or a member of a number of Edmonton organizations. Active in the Chamber of Commerce, the United Way and the University Senate, for more than five years, he held the position of Vice-President for Revenues, Commonwealth Games.

While in Calgary, he has served on a number of boards such as the Calgary Economic Development Authority and Mayor's Task Force on Downtown Partnership, and was Associate Director of the Calgary Stampede. □

domain, no clear funding scheme is in place yet.

Holub has circulated information on TIP to Deans and Department Chairmen and informed them that proposals from University-based research programs are acceptable for funding.

TIP allows Canadian firms to communicate with technology

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Roche, King Join Lineup of Speakers for 'Canada, the World and the Future'

The list of speakers for the fourth annual conference on "Canada, the World and the Future" is complete. Douglas Roche, Canada's Ambassador for Disarmament, and David King, Minister of Technology, Research and Telecommunications, have confirmed their participation in the 10 to 14 March event.

Mr. Roche is the keynote speaker for the opening session (2 to 4:30 p.m., 10 March, Bernard Snell Hall), "Where is Canada Going?"

Allan Warrack, Vice-President (Administration), will chair the session.

Part II of the session will run from 7:30 to 9:30 p.m. Gordon Fearn, Sociology, will be in the chair, and the speakers will be lawyer Rosemary McCarney, Senator Philippe D. Gigantes, and MLA Rollie Cook.

Scheduled to deliver remarks for the 11 March session "Cultural Sovereignty of Canada—Today and

Tomorrow" (Chair: Stephen Carey) are Vancouver playwright John Gray; Ken Chapman of Edmonton, a lawyer and member of the Roth Committee; and Beth Bryant, Assistant Deputy Minister, Cultural Heritage Division, Alberta Culture.

Speaking of culture, "The Freedom of Dance—A Musical Performance" will grace the Convocation Hall stage on 13 March (8 to 9:15 p.m.). Eritrean dances, Sri Lankan dances, native Indian and Métis dances, Chinese dances, and Latin American dances will be performed by international students attending our University. Bill Meilen will read international poetry and double as master of ceremonies.

Session 4 ("What's So Free About Free Trade?" 7:30 to 10 p.m., 11 March) will be guided by Ken Norrie, Department of Economics. Speakers will be John Hutchison, Editor of *Canadian Forum*, Mireille Ethier, Economic Council of

Canada, and Brian Scarfe, Chairman of Economics.

12 March also has two sessions: "Canada and the Third World—Benevolence or Malevolence?" (2 to 4 p.m.) and "Images of the Third Industrial Revolution" (7:30 to 10 p.m.). K.L. Gupta, Economics; Leslie Gue, Professor Emeritus, Department of Educational Administration; Lynn Skillen, Faculty of Nursing; and Cameron Clark, a consultant on poverty-oriented rural development (formerly Director of the Small Farmers Development Program for Asia and the Pacific, FAO), will bring their expertise to the session.

Michael Asch, Chairman of Anthropology, will be in the chair.

For "Images", conference organizers have lined up Mr. King, Henry Baltes, Electrical Engineering, and J. Gordin Kaplan, Vice-President (Research).

Bill Yurko, an engineer and former MLA and MP, will serve as chairman.

"The Ethics of New Medicine—Have We Created a Monster?" is the title of session 7 (13 March, 2 to 4 p.m.). Douglas Wilson, Dean of Medicine, will chair the session and coordinate remarks by C.H. Hollenberg, Vice-Provost Health Services, University of Toronto; Arthur Schafer, Director, Centre for Professional and Applied Ethics, University of Manitoba; Sydney Segel, Professor Emeritus (Pediatrics), Vancouver General Hospital; and Ellen Picard, Professor of Law, University of Alberta.

The concluding session (14 March, 2 to 4:30 p.m.) is "Star Wars and Space Technology." Speakers are: Harry H. Almond, Professor of International Law, National War

College, Washington, D.C.; David Parnas, Professor of Computing Science, University of Victoria; and Larry Pratt of our University's Department of Political Science. Gordin Kaplan will act as chairman.

Members of the conference's organizing committee are Baha Abu-Laban, Michael Asch, W.A. Doug Burns, Ian Campbell, Peggy Ann Field, L.C. Green, J. Gordin Kaplan, Bill Meilen, Gayle Morris, Michael Ritter, A.S. Russell, Al Squibb and Bill Yurko.

'The Freedom of Dance'

Bill Meilen, Drama, Rick Williams, Music, and Eyob Goitom, International Student Centre, joined forces to organize an artistic performance to be held in conjunction with the "Canada, the World and the Future" conference. The result: 75 minutes of dance and poetry.

From the ranks of international students come five ethnic dances of wide variety. The Asmara Dancers will perform Eritrean Dances. The Uda Rata and Kandy or Rajarata Lion Dancers, will interpret Sri Lankan dances to recorded music. Members of the Native Students' Club will stage Canadian Métis and Indian dances (there will likely be fiddle music as well as drums, rattles, and other traditional instruments of musical expression). The dancers are known as the Buffalo Shadow Troup. Chinese Feather Dances, "graceful glimpses of the traditions of our Pacific neighbor, Xinhua," will be rendered by the Dancers of the Han Hai. "On the Wings of the Condor" is the Latin American (dances and music) segment of the program.

Curtain time is 8 p.m. Admission is free.

Professor Meilen says that, as master of ceremonies, he will "grout the program together with pertinent comment upon the dances, music, etc." He will also read international poetry that "reflect the dances that will be

A handout at the door will contain further information about each performing group. □

New Music in the Old Hall

On 4 March, the Department of Music will present its first electronic music concert, "Reel Music." The concert will showcase the electronic tapeworks composed during the last few months by graduate and undergraduate students working in the department's electronic music studio.

What is electronic music? According to George Arasimowicz, composer and professor of the electronic music course which is now in its third year, "Just as clay can be processed into different shapes and textures, sound waves can also be electronically processed to create new wave forms and sound structures." Under normal conditions, a sound wave evolves in a certain way over a period of time—starting, rising, falling and ending. The acoustic characteristics of any musical instrument further limit the kind of sound wave produced and transmitted to the ear. However, in electronic music, these limitations are shed, and the shape of the sound wave can be "sculpted," by signal processing, to create any sound. For example, filtering can remove specific frequencies, and tape manipulation (editing, splicing, amplification,

re-recording at different speeds) can result in some very unusual and exciting sounds. Any pitch can be generated, and any duration of sound produced.

One of the casualties of electronic music tapeworks can be removal of a visible human presence on stage. Perhaps in partial compensation, the conventional use of electronic music to enhance other highly visible art forms, such as dance or drama, is increasingly popular. But the greatest value of electronic music technology is that it opens up new ways of examining sound structures and organizing musical compositions. The physical acoustic parameters of sound, including the full microtonal spectrum, can be explored.

Tuesday's concert of "Reel Music" will involve the listener in a unique musical experience, one which includes electronically processed synthesized and instrumental sounds, as well as *musique concrète* (manipulated environmental sounds). One of the electronic music scores, composed by drama student Jon Fischbach, will be accompanied by a dramatic presentation. Concert time is 8 p.m. in Convocation Hall. Admission is free. □

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development officers to be hired in London, Stockholm, Bonn, Tokyo, Boston and Atlanta. These individuals will search for technology in response to specific requests sent to them by Canadian companies and organizations.

Science and technology counsellors, trade commissioners and commercial officers in a number of posts abroad are able to provide to Canadian companies a wide range of services spanning the innovation/marketing cycle. □

GSA to Present Employment Forum

An employment forum for graduate students will be held 3 and 4 March in W-2 Tory Building. The idea for the forum was conceived by the Graduate Students' Association as being a means of serving a graduate need. Organization and steering has been the work of a steering committee consisting of representatives of the community, the University and graduate students. The University has provided a good deal of support for the forum, both financially and logistically. Funding has been provided by the Offices of the Dean of Student Services, the Dean of Graduate Studies and Research, and the Vice-President (Academic), as well as the Alumni Association and the GSA.

President Horowitz will open the forum at 9 a.m., 3 March.

The forum's sessions are designed

to take students through the entire job search process, starting with career planning and how a graduate degree is appropriate, to adjusting from a theoretical background to practical applications once an individual enters the workplace. Speakers are being drawn from private industry, the public sector and the University to provide information on careers in all three areas.

Differences in job search techniques for the sectors will be explored by a panel of experts. Wendy Caplan of the Canada Employment Centre (CEC) will provide the general overview; Larry Pelensky of A.W. Fraser and Associates, a firm which provides personnel management consulting services, will discuss strategies for finding a job. Representatives of the Public Service Commission (PSC)

and academe will add comments about the differences in applying for jobs in these sectors.

Another panel discussion will consider how employers use people with a graduate degree within their firm and how they see individuals with a graduate degree as benefiting their organization. Brian Reid of Deloitte, Haskins and Sells and Mike Boyd of the Alberta Government will participate in this discussion. Gordon Fearn of the Department of Sociology will talk about an academic career (he maintains that there are at least five different careers within the University structure).

Dan Demers, a staffing officer with the PSC, is one of several interviewers who will outline what qualities they look for in prospective employees and how they use the interview process to

evaluate individuals.

A workshop conducted by Murray Hawkins, Rural Economy, should help students evaluate their potential in terms of marketing themselves for a job.

Larry Henderson of Professional Exams, will speak on professional licensing. What sorts of associations a student may require membership in (in addition to holding a degree) will be explored.

Graduate students are not a homogeneous group. Therefore some differences in career approaches will exist between disciplines. The forum will attempt to discuss some of the common threads for all fields. It is hoped that individual Faculties or departments will be able to provide their students with specific information about careers in a particular field. □

Letters

NSERC Funding

■ NSERC is allocating its funds for 1986-87 on the assumption that it will receive only its "assured" budget for the year, \$289.1 million. In 1984-85, NSERC received \$311.6 million, and it has just been notified that it will receive in 1985-86 a one-shot supplement of \$16.1 million that will bring this year's allocation to exactly the 1984-85 budget, \$311.6 million.

The immediate consequence of this budgeting decision is that the General (President's) Research Grant will be cut by 37 percent; since the share of the smaller universities will be protected, the grant to this University will be reduced by more than this percent. This will have the gravest consequences to the NSERC component of the Central Research Fund; this may require redistribution of the allocations to the various disciplinary groups and thus reduce the amounts available to the Humanities and Social Sciences. This is thus a cause of concern to all of the University community.

Many of us have already written and talked to our MPs, the Minister of State for Science and Technology (F. Oberle) and the Prime Minister. Those who haven't should do so now.

J. Gordin Kaplan
Vice-President (Research)

Conference Fund Committee

■ It was interesting to note your report (*Folio*, 6 February 1986) of my report to GFC for the Conference Fund Committee, for 1984-85. Your quotation was completely accurate, but I also said to GFC (on the basis of calculations made 2-3 months after the report was written) that, as a modest indicator of economic upturn, the current (1985-86) allocations were running at about 20 percent ahead of those of the previous year, both in numbers approved and amounts granted. From such straws in the wind, might economists build new houses.

J.R. Nursall
Chairman, Conference Fund Committee

Graduate Studies and Research at the University of Alberta

Graduate work can involve anything from studies in art history to engineering, physiotherapy to economics. A wide range of degrees can be granted, with the general categories being post-graduate diplomas, thesis programs, and non-thesis programs which require a major paper. The common thread among these programs, and what sets them apart from undergraduate studies, is the research component which allows the student to delve into a narrowly defined topic.

Graduate students are all members of the Faculty of Graduate Studies and Research which has general standards which the student must meet in order to receive a degree. The department the student works in may have more stringent requirements for the program. The research element of the study is carried out under the supervision of one professor. The supervisor guides the student through the process of finding a topic, researching it, writing up the results and eventually defending it before a committee.

The nature of the degree means that graduate students may or may not be suited for the same jobs as their undergraduate counterparts. If an employer wants a student with a general background in English, a baccalaureate student will be more suitable than a master's student studying a particular period in English literature who has an undergraduate degree in Commerce. The employer must, of

course, recognize what skills he requires for a position and hire accordingly.

One value of either a master's or doctorate degree in terms of a career path is that it may allow an individual to specialize. Someone with a general agriculture degree can become an expert in soil science. Graduate studies can also help a person redirect his career while at the same time studying in a specialized area. If an individual with a degree in chemistry wishes to work in the food processing industry he may decide to get a master's degree in food science. A second baccalaureate degree would require courses in areas such as crop science, animal husbandry, entomology and so forth, in addition to food science courses. Depending on the purpose for which further education is being sought, graduate studies may be appropriate.

Studies in some fields of study are not strongly career focused. However, graduate students acquire skills in working independently to define, focus, research and develop a methodology to solve specific problems. This type of training is rarely included in undergraduate degree programs. A graduate degree provides the individual with additional knowledge which may or may not be directly related to the job he eventually undertakes. In any case acquiring the additional knowledge will probably aid in personal development. □

John Thomas Jones, 1898 - 1986

Professor Emeritus John Thomas Jones, formerly of the English Department, died at the University Hospital on 12 February 1986. Professor Jones, who was born in Wales, came with his family to Edmonton in 1909. On his completion of high school he enrolled as a student at the University of Alberta and completed his Honours BA degree in English in 1921. The following year he was appointed an Instructor in the English Department. In 1926, by which time he had completed his MA, he was given a leave of absence for two years to attend Oxford University, where he was subsequently awarded an MA degree. On his return to Canada and the University in 1928, he was appointed an Assistant Professor. Professor Jones was proud of the part he played in his early years at the University as a member and part-time chairman of an Alumni committee, in raising funds for the building of a pipe organ in Convocation Hall, in memory of the students and graduates who had given their lives in the Great War. The pipe organ was installed in 1925.

During World War II, Professor Jones served in the COTC and later in the regular army. As a member of the COTC in the summer of 1942, he served as Company Sergeant Major and found it a valuable experience. He spent the last three years of the war with the rank of captain as an instructor at basic training camps in Wetaskiwin and Nanaimo. During 1944, while still in the army, he was appointed Associate Professor. His army experience is reflected in two articles that appeared after the war on tactics in the novels of Sir Walter Scott.

Professor Jones returned to the University after the war to find it flooded with student veterans, whom he enjoyed teaching. He also made friends among them, and they retained their respect and affection for him. When some of the veterans held a reunion several years ago in Jasper, he was invited to come, too, and did attend. Indeed, the way in which friendships he made with students persisted is one of the most interesting aspects of his life and one in which he took great pleasure. It was not unusual to hear him speaking of having met students from many years past, some of them very important people, who had taken the time to renew their acquaintance with him.

Professor Jones became a full Professor in 1950 and Head of the Department of English in 1953. He held a strong belief in the importance of the Arts Faculty to the University and of the Department of English in that Faculty. As a consequence he was a stout defender of both if he felt their position threatened. He continued to find satisfaction in his teaching, especially of his favorite poet, John Milton, in whose writings he gave courses at the senior and graduate levels.

Professor Jones resigned the headship in 1961 and resumed full-time teaching until his retirement in 1964. However, he returned to the department in 1976 to give the Broadus Lectures on the subject of "Counting Syllables in English Verse." He presented the topic in four lectures, a heavy task for a man of his age. Yet he found great satisfaction in having done it, and undoubtedly regarded the series as what it indeed was: the culmination of a career of

more than 40 years spent in faithful service to the University of Alberta and its students.

An Archivist's Delight

J.T. Jones donated papers to University Archives in 1982 and again in 1984. A graduate student in Library Science is going to arrange

and index the Jones correspondence as her major project for the Faculty.

Assistant Archivist Trude McLaren says: "We will miss him. He was one of our main resources for historical information on the University. Until his memory began to fail, which was only in the last few years, he could tell us about anything or anybody connected with the campus." □

Canada, the World and the Future

March 10 - 14, 1986



- Where is Canada going?
- Canadian Culture — is it?
- What's so free about free trade?
- Canada and the Third World — benevolence or malevolence?
- Ethics of Technology Change
- Ethics of New Medicine — have we created a monster?
- Star Wars and Technology

Hear outstanding experts. Voice your opinions on some of the most challenging issues facing you, now and in the future.

Daily Sessions: 2 to 4:30 p.m.
7:30 to 10 p.m.

Artistic Performance: Thursday, March 13
8 to 9:15 p.m.

Bernard Snell Hall
Mackenzie Health Sciences Centre
University of Alberta Hospitals
Free Admission

For further information:
Office of Public Affairs
University of Alberta
432-2325



Jackie and Ron Phillips admire a memento that was presented to Mr. Phillips, former Vice-President (Facilities and Services), on the occasion of the renaming of the University Services Building on 14 February. The building is now known as the R.E. Phillips Services Building. A reception in Lister Hall saw the Phillips family receive the congratulations and best wishes of numerous members of the University community.

Music Groups' Engagements Include Expo 86

The trouble with learning things as an undergraduate is that not many people want to listen to you display your newly acquired knowledge. After all, who wants to watch math students demonstrate their skill with calculus, or listen to Arts students read their essays aloud?

But if you are a music student—or enjoy making music—it's different.

Take, for instance, the Department of Music's Symphonic Wind Ensemble or the Concert Choir, now in their fifteenth and sixteenth years respectively. These undergraduate musicians and choristers are able to show their paces a number of times each year before not only an appreciative, but often a *paying*, audience.

The Symphonic Wind Ensemble, under its Director, Fordyce Pier, gives four concerts a year in Edmonton, usually in Convocation Hall. But in March and May this year there are some special engagements on the calendar. On 5 and 6 March, three groups from the Ensemble—a duet, a quartet and a quintet—will play on Bourbon Street in West Edmonton Mall; on 12 March the Ensemble's next Edmonton concert will be shared with the Edmonton Public Schools All-City Band at Victoria Composite High School; 19 March will see the Ensemble in Rocky Mountain House, playing in a community concert series; and between 14 and 18 May, the Ensemble will be in Vancouver, tooting the flute and blowing the horn at Expo 86.

The 40 musicians in the Ensemble, all chosen by audition, are primarily, though not exclusively, undergraduates from the Department of Music. They play flutes, oboes, bassoons, clarinets, saxophones, horns, trumpets, trombones, baritones (which are also horns), tubas and percussion. While a symphony orchestra might have 12 clarinets playing the First Clarinet part, a particular feature of this Ensemble is that there is only one player on a part: each instrument plays virtually a solo part. This gives the music a particular sound, and works must be expressly written (or adapted) for a wind ensemble.

"The music we play avoids clichés," says Fordyce Pier, Director of the Ensemble since 1973. "There are no marches, no show tunes, no popular arrangements in our concerts. But that doesn't mean the music is heavy or dull. Because it is composed doesn't mean it will be going to the high temple of art. Wind ensemble music can be lighthearted, comic and satirical, and in the program on 12 March

there are some really funny things in the music—things that will make people laugh out loud."

The Concert Choir is somewhat larger than the Ensemble, at 100 to 110 singers—a number limited only by the amount of sheet music the Choir can afford to buy. Choristers are selected by audition from the 150 or more eager applicants who turn up each September. About half the singers are from the Department of Music. The other 50 percent come from a variety of Faculties—many from Arts, some from Business, Nursing, and Education, with the odd scientist and the occasional engineer.

Says Leonard Ratzlaff, who took over direction of the Choir in 1983, "Choral music is an exalted art. The instrument is in our bodies and we can express emotions directly with our bodies that may be more difficult to do with an instrument that you hold. Choral singing is so *accessible*," he adds, "and people are very keen to sing—some of them even pay money to be in choirs."

Songs chosen are from the classical repertoire and include J.S. Bach and renaissance motets, madrigals, and romantic music of the 19th century, much of it written for unaccompanied chorus. Twentieth century music isn't neglected but Professor Ratzlaff's aim is to "expose the singers to the classics of the choral repertoire," and over the last four years he's made a point of having the Choir learn a motet by J.S. Bach during the term.

The Choir usually gives two concerts a year in Edmonton—at Christmas and in April—and every two years undertakes a tour. This year, at the Spring Concert in Convocation Hall on 4 April, they will perform works by Charles Ives for the organ, choir and four sets of bells.

Only 45 members of the Choir are able to go on tour—the number that fit into one bus—and they are known as the Concert Choir Tour Choir. Two years ago the tour took them through Germany and Austria. This year the Tour Choir will give a Gala Concert on 26 April in Convocation Hall and then they're off to Vancouver, to Expo 86, where they will sing on 2 May, going on to perform in Victoria, Vancouver, Vernon, and Banff on the way home.

Touring is a very important part of a musician's education, the two Directors agree.

"There ought to be a permanently committed touring budget built into the Music Department budget, something like athletes have for

'away' games," says Dr. Pier. "It's considered part of an athlete's education to go to other places to play his sport, and it really ought to be the same for music groups. It should be part of musicians' education to travel off campus to perform."



Teaching Opportunities Overseas

The Office of the Associate Vice-President for International Affairs (3-12A University Hall, 432-3213, 432-2280) is interested in receiving the names of anyone wanting to learn of

Till that day comes, there's much music to be enjoyed on campus from these and other groups such as the Concert Band, the St. Cecilia Orchestra (who accompany the Concert Choir for large-scale works), the Academy Strings, the Stage Band, and the Madrigal Singers. □

teaching opportunities overseas, particularly the Asia/Pacific region. Currently, two institutions in China (one in Xian, one in Beijing) are seeking candidates to teach Canadian/American literature, and English language. Candidates should have at least a Master's degree and teaching experience.

Workshop on Journal Writing

A Proffoff Intensive Journal Workshop on Journal Writing will be conducted on 22 and 23 March in the 10th floor lounge, Education South. Times are 9 a.m. to 4 p.m. daily.

Therese Craig will be the instructor for the Department of Secondary Education-sponsored workshop.

Attendance is limited to 30 people. There is a fee of \$30 for materials which must be paid in advance at time of application for registration.

Application forms are available from Secondary Education, 338 Education South.

Talks

Advisory Committee on Women's Studies

4 March, 3:30 p.m. Alison Jaggar, "Feminist Challenge to Western Political Theory." 5-20 Humanities Centre.
5 March, 7:30 p.m. Alison Jaggar, "Teaching Sedition: Some Dilemmas of Feminist Pedagogy." Co-sponsored by the Faculty of Arts Women's Studies Lecture Series Committee. L-1 Humanities Centre.
7 March, 2:30 p.m. Alison Jaggar, "Further Discussion of 'Teaching Sedition.'" Location: TBA.
12 March, 7:30 p.m. Alison Jaggar, "Women: Different But Equal." Co-sponsored by Women's Program and Resource Centre, Faculty of Extension. L-1 Humanities Centre.

Economics

6 March, 3:30 p.m. Michael Trebilcock, University of Toronto, "Adjustment Issues in Declining Sectors." Co-sponsored by the Faculty of Business. 8-22 Tory Building.
13 March, 3:30 p.m. Glenn MacDonald, University of Western Ontario, "An Operational Model of Monopoly Union-Competitive Firm Interaction." 8-22 Tory Building.

Alberta Heritage Foundation for Medical Research

28 February, 4 p.m. Edward Meighen, Professor of Biochemistry, McGill

University, "Regulation of the Enzymes and Genes of the Bacterial Bioluminescence Operons." 2-27 Medical Sciences Building.
10 March, 4:30 p.m. Thelma Wells, Associate Professor/Associate Research Scientist, School of Nursing, University of Michigan, "Analyzing Clinical Problems in Care of the Elderly: Immobility and Incontinence." Faculty of Nursing, 3-101 Clinical Sciences Building.

Art and Design

28 February, 2:30 p.m. Patricia Ainslie, Glenbow Museum, "Canadian Block Prints, 1919-1945." 2-20 Fine Arts Building.

Staff Fitness and Lifestyle

28 February, noon. Family Fitness Forum with speakers J. Bishop, Ted Wall and Tim Burton. Moderator: Brian Nielson. W-01 Van Vliet Physical Education and Recreation Centre.

Centre for Gerontology

28 February, noon. Alan Dobbs, "Time Course of Memory and Cognitive Changes in Alzheimer's Patients." Classroom F, Mackenzie Health Sciences Centre.

Medicine

29 February, 8 a.m. E. Ives, "Aspects of Mortality." 2F104 Walter C. Mackenzie Health Sciences Centre.

Plant Science

28 February, 1 p.m. Mabel Jendeka Mahasi, "The Effects of Row Spacing and Seeding Rate on Seed Yield and Crop Maturity of Rapeseed (*B. napus* L. and *B. campestris* L.)" 1-06 Agriculture-Forestry Centre.
10 March, 1 p.m. Hanumantha R. Pappu, "Mycovirus: Natural Enemy of Plant Pathogenic Fungi?" 1-06 Agriculture-Forestry Centre.

Comparative Literature

28 February, 3 p.m. William Beard, "Some Aspects of Popular Cinema." Senate Chamber, Arts Building.
7 March, 3 p.m. Philip Knight, "Literary Modernism and Homosexual Consciousness." Senate Chamber, Arts Building.
14 March, 3 p.m. Inger Lauridsen, "Sex in Uncensored, Contemporary Russian Literature." Senate Chamber, Arts Building.

Classics

28 February, 4 p.m. John D'Arms, Dean, Graduate School, University of Michigan, Ann Arbor, "Hierarchy and Equality in Roman Communal Meals." 1-8 Humanities Centre.

Hong Kong Graduate Students' Association

28 February, 5 p.m. J.S. Lin, "A Humble Remonstrance: Chinese Intellectuals in 'Reaching the Middle Age.'" 1-129 Tory Building.

Food Science

3 March, 11 a.m. K.H. Steinkraus, Institute of Food Science, Cornell University, "Indigenous Fermented Foods and Their Importance in Feeding the World." E-344 Chemical-Mineral Engineering Building.

Slavic and East European Studies

3 March, 3 p.m. Karol Krótki, "Central and East Europeans in the First (1984) Canadian Fertility Survey." 776 General Services Building.
10 March, 3 p.m. Hans Altman, "Stalin's 1930s: An Inside View from a German Engineer." 776 General Services Building.

Faculty of Business

3 March, 3:30 p.m. Nancy Pennington, Assistant Professor of Behavioral Science, University of Chicago Graduate School of Business, "Evidence Evaluation in Complex Decision Making." 1-06 Business Building.

English

11 March, 3:30 p.m. bp Nichol and Daphne Marlatt, "Narrative in Language: The Long Poem." 5-20 Humanities Centre.

Rehabilitation Medicine

3 March, 4 p.m. Franklin Stein, Director, Occupational Health Program, University of Wisconsin, Milwaukee,

"Stress Management in Schizophrenia." 203 Corbett Hall.

10 March, 4:30 p.m. Thelma Wells, Associate Professor/Associate Research Scientist, School of Nursing, University of Michigan, "Analyzing Clinical Problems in Care of the Elderly: Immobility and Incontinence." Faculty of Nursing, 3-101 Clinical Sciences Building.

CITL

4 March, 2:30 p.m. Maryanne Doherty, "What is Modularized Instruction?" 219 Home Economics Building.
5 March, 10 a.m. Donald W. Morrish and Richard Sobsey, "Development of Study Guides and Course Manuals: Theory and Practice." 2-33 Humanities Centre.
5 March, 3 p.m. Abe Konrad and Dan Precht, "The IDQ System—Evaluation of Instruction." 2-33 Humanities Centre.
6 March, 3 p.m. Lyle Larson, "Teaching in Graduate Seminars." TB-W2 Tory Building.
11 March, 3 p.m. Charles M. Bidwell, "Promoting Participation in Large Class Lectures." TB-W2 Tory Building.
12 March, 1:30 p.m. John S. Martin, "Interactive Learning: Computer Dialogues, Simulations, and Games." 221 General Services Building.
13 March, 1 p.m. Luma Chernenkoff, "Computer Literacy." 349 CAB.

Forest Science

5 March, noon. Greg Fenton, "Definition of Types, Distribution and Impacts of Bird Watchers in the Carolinian Forest Ecosystem of Point Pelee National Park." 4-1 Mechanical Engineering Building.

Boreal Institute for Northern Studies

5 March, noon. Doug Stenton, "Thule Culture Inland Adaptations on Southern Baffin Island." 1-25 Tory Building.
12 March, noon. Clifford Hickey, "Northern Social Science at the University of Alberta—Where Do We Go?" 1-25 Tory Building.

Sociology

5 March, noon. Alex Matejko, "Sociology and Spirituality: Conflict or Accommodation." 5-15 Tory Building.
12 March, noon. W. David Pierce, "A Biobehavioral Approach to Human Behavior." 5-15 Tory Building.

Colloquia on Systems Research

5 March, 2 p.m. Humberto Maturana, Professor of Biology, University of Chile, "Emotion and Cognition." CW-410 Biological Sciences Centre.
6 March, 2 p.m. Dr. Maturana, "Autopoiesis." 5-15 Tory Building. Both lectures are sponsored by the Center for Advanced Study in Theoretical Psychology, Sociology and Educational Psychology.

Botany

5 March, 4 p.m. William Gruezo, "The lichen genus *Lobaria* (Schreb.) Hoffm. in the Philippines." M-149 Biological Sciences Centre.
12 March, 4 p.m. Agnes Vanende, "Polyphenolic Variation of Bud Exudates in *Populus trichocarpa* Torrey and Gray." M-149 Biological Sciences Centre.
14 March, 4 p.m. Dan MacIsaac, "Plant Community Development and Vegetation Pattern on Proglacial Moraines. Banff and Jasper National Parks." M-149 Biological Sciences Centre.

Limnology and Fisheries Discussion Group

6 March, noon. Randy Shaw, "Seepage Meters: How Useful Are They? (Or Can Seepage in Lakes be Measured for \$10?)" G-217 Biological Sciences Centre.
13 March, noon. Roy Stein, Ohio State University, "Solving Practical Problems in Fishery Biology Using Concepts From Experimental Ecology." G-217 Biological Sciences Building.

Soil Science

6 March, 12:30 p.m. K. Peters, Hardy and Associates Ltd., "Requirements for Soil Analysis for New Developments and Contaminant Cleanup." 281 CAB.

Literary Theory Series

6 March, 4 p.m. S. Neuman, "Importing Difference: Feminist Criticism and Canadian Women Writers." 5-20 Humanities Centre.

Women's Program

6 March, 7:30 p.m. Zohra Husaini, "Making Visible the Reality of Immigrant Women." 120 Corbett Hall.

Centre for the Study of Mental Retardation

7 March, 12:30 p.m. C.K. Leong, Institute of Child Guidance and Development, University of Saskatchewan, "Varieties of Dyslexias." P-121 Biological Sciences Centre.

East Asian Languages and Literatures

7 March, 3 p.m. Students' Speech Contest in Japanese. Sponsored by the Consulate-General of Japan. L-2 Humanities Centre.

Zoology

7 March, 3:30 p.m. Nicholas C. Spitzer, Department of Biology, University of California, "The Autonomous Early Differentiation of Spinal Neurons." M-149 Biological Sciences Centre.
14 March, 3:30 p.m. Roy A. Stein, Department of Zoology, Ohio State University, "Stocking Piscivorous Predators Into Ohio Lakes: Applying Ecological Approaches to Fish Management." M-149 Biological Sciences Centre.

Agricultural Engineering, Soil Science and Water Resources Centre

11 March, 3:30 p.m. Harry M. Hill, Director General, Prairie Farm Rehabilitation Administration, Regina, "Soil and Water Conservation." 346 Chemical-Mineral Engineering Building.

Guild for Medieval and Renaissance Studies

13 March, 3:30 p.m. R.J. Buck, "East-West Diplomacy in the Eleventh Century: Liutprand and his Troubles." TB-W2 Tory Building.

Japan: Tradition to High-Tech

12 March, 3 p.m. H. Tanaka, University of Lethbridge, "A Japanese Buddhist Pilgrimage: 1,400 Kilometres on Foot Around the Skikoku Island." L-4 Humanities Centre.

FOLIO

Volume Twenty-two
Number Twenty-seven

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Ron Thomas
Editor

Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.



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13 March, 3:30 p.m. Dr. Tanaka, "The Robot Age is Upon Us: What Can We Learn From the Japanese Experience?" 2-05 Business Building.

14 March, 3 p.m. A. Yano, Osaka University of Foreign Studies, "Mother Image in Japanese Society." L-4 Humanities Centre.

14 March, 4 p.m. Janusz Kupczyk, University of Warsaw, "Hōgaku: Traditional Japanese Music." L-4 Humanities Centre. All lectures sponsored by the Consulate-General of Japan and supported by Anthropology, Geography, Religious Studies, and East Asian Languages and Literatures.

15 March, 8 p.m. P. Tsurumi, University of Victoria, "Japanese Women: Past and Present." L-1 Humanities Centre. Co-sponsored by the Consulate-General of Japan, History, Women's Studies Program, and East Asian Languages and Literatures.

Films

Germanic Languages

12 March, 7:30 p.m. "Katz Und Maus" (Günter Grass, 1966). Admission free. Arts 17.

Japan: Tradition to High-Tech

14 March, 8 p.m. "Hand-Made Japanese Paper," "The Miracle of Tsubosaka Temple (a Kabuki play)," "Manga: The Cartoon in Contemporary Japanese Life," "High-Tech in Japan." Sponsored by the

Consulate-General of Japan and supported by Anthropology, Geography, Religious Studies, and East Asian Languages and Literatures.

The Arts

Ring House Gallery

Until 16 March. "Rituals/Systems"—the work of five Alberta artists.

Bruce Peel Special Collections

Until 30 April. "From Impressionism to Surrealism"—European artists as represented in coffee table books and catalogues raisonnés.

Until 30 April. "Sketches in the Canadas"—23 hand-colored lithographic plates, sumptuously produced by Coke Smyth in 1842. This rare portfolio is the most sought after volume of plates published on Canada. B-7 Rutherford South.

SUB Theatre

28 February and 1 March, 8 p.m. "Dance Extravaganza '86." Edaas, 424-0353.

Music

All events take place in Convocation Hall.

27 February, 8 p.m. Senior Student Recital—Sandra Butner, flute.

2 March, 8 p.m. Final "Encounters" concert of the season.

4 March, 8 p.m. Electronic Music Concert.
10 March, 8 p.m. The University of Alberta Stage Band. Neil Corlett, conductor. Tickets at the door or from the Department of Music—\$2 students/seniors; \$4 adults.
12 March, 7:30 p.m. The University of Alberta Wind Ensemble—Fordyce Pier, director, and the Edmonton Public Schools All-City Band—Garry Silverman, conductor.

Edmonton Film Society

3 March, 8 p.m. "The Flavor of Green Tea Over Rice" (Japan). TL-11 Tory Lecture Theatre.

10 March, 8 p.m. "A Taste of Water (The Hes Case)" (Holland). TL-11 Tory Lecture Theatre.

Théâtre Français d'Edmonton

8 to 16 March. V1th Franco-Albertan Theatre Festival. Ana Power, 469-0829.

Edmonton Chamber Music Society

12 March, 8 p.m. Helmut Brauss and the Debut String Quartet. Admission by season membership. 433-8102.

Broadcasts

Radio

CKUA radio 580 AM and 94.9 FM.

1 March, 7 p.m. "University Concert Hall."
8 March, 7 p.m. "University Concert Hall."

CBC AM Radio
9 March, 8 a.m. "Sunday Arts—Alberta Anthology, 'The Rose Tatoo' by Carolyn Hlus."

Award Opportunities

Royal Commission for the Exhibition of 1851 Research Scholarships

Donor: Royal Commission for the Exhibition of 1851. Where tenable: Ordinarily at an institution approved by the Commissioners in the United Kingdom. Level: Post-graduate. Field: Physical and Biological Sciences, or in Engineering. Value: £4300 per year. Also may make application to the Commissioners for an annual allowance to meet essential university or college fees, and for a grant to meet the cost of travel from his home to his place of study. Number: 10. Duration: Two years. Conditions: Applicants must be citizens of either (a) any country in the British Commonwealth or (b) of the Republics of Ireland, Pakistan, and South Africa; those whose age is 26 or more on 1 May of the year in which his application is received will be accepted only in exceptional circumstances; must have been a student in a university for a period of not less than three years, and must have spent one full academic year ending not more than 12 months before the date of recommendation at the institution by which he is recommended. Closing date: 21 March 1986. Further information and application forms should be requested from: Student Awards Office or Royal Commission for the Exhibition of 1851, 1 Lowther Gardens, Exhibition Road, London, England SW7 2AA.

Surplus Equipment

The equipment appearing in this column is available only to University departments with University-administered funds. For more information, telephone Jody Brookwell or Roy Bennett, 432-3208.

For Sale: (1) Compac 0
Pat Marsh or Keith Denford, Botany, 432-3484
(1) Kindermann Photoprint Dryer
(1) Kindermann Print Washer
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Randy Pakan, Geography, 432-5795.
Miscellaneous surplus equipment in 26 April 1986 auction. Watch for details. Jody Brookwell, Surplus Sales Coordinator, 432-5393.

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Non-Academic

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies cannot be guaranteed beyond 21 February 1986.

Laboratory Assistant II, Provincial Laboratory, (\$1,190-\$1,478)
Clerk Typist III, Personnel Services and Staff Relations, (\$1,326-\$1,666)
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Clerk Steno III (Term), Extension—Public Administration, (\$1,326-\$1,666)
Data Entry Operator II, Computing Services, (\$1,371-\$1,739)
Secretary (Trust), Institute of Law Research and Reform, (\$1,478-\$1,888)
Secretary, Housing and Food Services, (\$1,478-\$1,888)
Secretary, Planning and Development, (\$1,478-\$1,888)
Departmental/Executive Secretary (Trust), Graduate Students' Association, (\$1,666-\$2,144)
Audio/Video Technician II (Temporary), Radio and Television, (\$1,810-\$2,337)
Accounting Assistant, Housing and Food Services, (\$1,888-\$2,437)
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For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library, 432-3339.

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10:30 a.m. to 11:30 a.m.
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3-15 University Hall
The University of Alberta
Edmonton

7:00 p.m. to 9:30 p.m.
Salon 2
Edmonton Convention Centre
9797 Jasper Avenue
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The Advisory Committee on University Affairs is made up of citizen volunteers representing all areas of the province. Its purpose is to solicit the views of the public on matters affecting Alberta's universities and to pass them immediately and directly to the Minister of Alberta Advanced Education.

All interested persons are invited to attend. Groups and individuals wishing to speak with the Committee, or make written presentation should contact

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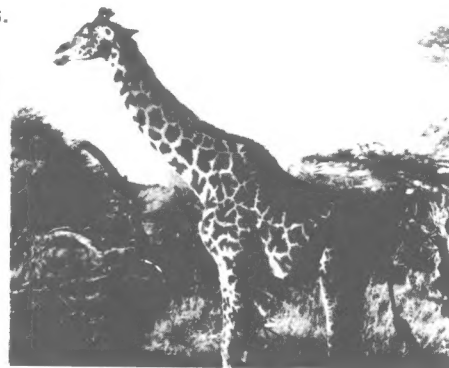


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